

CLAIMS

- 1 1. A hoist for transfer of cargo containers to and from vehicles
- 2 comprising in combination with a cargo container and a truck having a bed for
- 3 supporting said containers to travel thereon, the hoist having:
- 4 a loadspreader having vertical engaging hooking means for securing said
- 5 cargo container thereto;
- 6 means for supporting said loadspreader for said truck to drive said
- 7 container parallel under said loadspreader;
- 8 a plurality of links of equal pivot length, connecting said loadspreader to
- 9 said support means to form a parallelogram linkage to swing said loadspreader
- 10 substantially horizontally up and down;
- 11 cable and winch means for latching said loadspreader up and for releasing
- 12 said loadspreader when the weight is lifted off of said winch;
- 13 biasing means to reel up slack cable to hold the load lifted after being
- 14 lifted;
- 15 a tab on the front of said bed to engage the forward end of said container
- 16 when aligned with said bed to swing up said links to lift said container;
- 17 vertically engaged hooking means for connecting said container to said
- 18 loadspreader when aligned therewith for swinging said loadspreader up to lift and
- 19 hold said container to clear said truck bed so the truck can leave the container on
- 20 the loadspreader held lifted by said winch; and

21 means for releasing said hook means when the weight of said container is
22 relieved therefrom as when the truck is pushing the loadspreader with the
23 container.

1 2. A hoist as in claim 1, said loadspreader having depending legs
2 integral therewith to extend down to pivot to swing the loadspreader on said links
3 to conserve head room.